

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am the original, first, and sole inventor (if only one inventor is named below) or an original, first, and joint inventor (if plural inventors are named below or in an attached Declaration) of the subject matter which is claimed and for which a patent is sought on the invention entitled

PHOSPHATE MIMICS AND METHODS OF TREATMENT USING PHOSPHATASE INHIBITORS

(Attorney Docket No. 038602/0199)

the specification of which (check one)

 is attached hereto.

 X was filed on August 25, 2000 as United States Application Number 09/645,879.

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before I (we) invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me (us), or by my (our) legal representatives or assigns, more than twelve months (six months for design patents) prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date
60/150,970	August 27, 1999
60/165,365	November 12, 1999

I HEREBY CLAIM the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

I HEREBY APPOINT the following registered attorneys and agents of the law firm of FOLEY & LARDNER to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith:

STEPHEN A. BENT	Reg. No. 29,768
DAVID A. BLUMENTHAL	Reg. No. 26,257
BETH A. BURROUS	Reg. No. 35,087
ALAN I. CANTOR	Reg. No. 28,163
WILLIAM T. ELLIS	Reg. No. 26,874
JOHN J. FELDHAUS	Reg. No. 28,822
PATRICIA D. GRANADOS	Reg. No. 33,683

JOHN P. ISACSON	Reg. No. 33,715
MICHAEL D. KAMINSKI	Reg. No. 32,904
LYLE K. KIMMS	Reg. No. 34,079
KENNETH E. KROSIN	Reg. No. 25,735
JOHNNY A. KUMAR	Reg. No. 34,649
GLENN LAW	Reg. No. 34,371
PETER G. MACK	Reg. No. 26,001
BRIAN J. MC NAMARA	Reg. No. 32,789
SYBIL MELOY	Reg. No. 22,749
RICHARD C. PEET	Reg. No. 35,792
GEORGE E. QUILLIN	Reg. No. 32,792
BERNHARD D. SAXE	Reg. No. 28,665
CHARLES F. SCHILL	Reg. No. 27,590
RICHARD L. SCHWAAB	Reg. No. 25,479
ARTHUR SCHWARTZ	Reg. No. 22,115
HAROLD C. WEGNER	Reg. No. 25,258

And H. Thomas Anderton, Jr., Reg. No. 40,895, of Sugen, Inc.,

and I request that all correspondence be directed to:


John P. Isacson or Beth A. Burrous
 FOLEY & LARDNER
 Washington Harbour
 3000 K Street, N.W., Suite 500
 Washington, D.C. 20007-5109

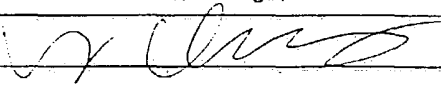
Telephone: (202) 672-5402
 Facsimile: (202) 672-5399

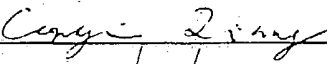
I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

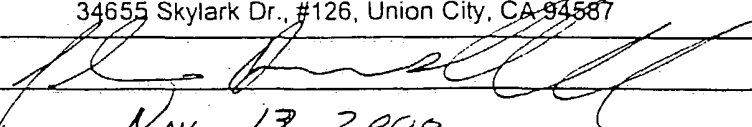
I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

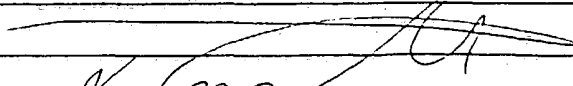
Name of first inventor	Ping HUANG
Residence	Mountain View, CA
Citizenship	People's Republic of China
Post Office Address	117 Whit's Road, Mountain View, CA 94040
Inventor's signature	<i>Ping Huang</i>
Date	11/13/00

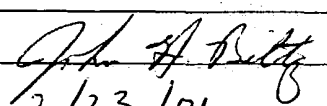
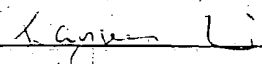
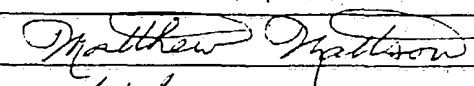
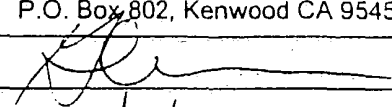
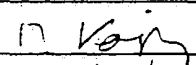
Name of first inventor Chung Chen WEI
 Residence Foster City, CA
 Citizenship U.S.A.
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 Inventor's signature 
 Date Nov 27, 2000

Name of first inventor Peng Cho TANG
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 Inventor's signature 
 Date Nov. 13, 2000

Name of first inventor Chris LIANG (Formal Name: Congxin Liang)
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 Inventor's signature 
 Date 11/17/00

Name of first inventor John RAMPHAL
 Residence Union City, CA
 Citizenship U.S.A.
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 Inventor's signature 
 Date Nov. 17, 2000

Name of first inventor Bahija JALLAL
 Residence Menlo Park, CA
 Citizenship Morocco
 Post Office Address 101 O'Keefe Street, Menlo Park, CA 94025
 Inventor's signature 
 Date Nov 28, 2000

Name of first inventor	John BILTZ
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Citizenship	U.S.A.
Post Office Address	36976 Cherry Street, #287, Newark, CA 94560
Inventor's signature	
Date	2/23/01
Name of first inventor	Sharon LI (Formal Name: Xiaoyuan Li)
Residence	Los Altos, CA
Citizenship	U.S.A.
Post Office Address	2020 Victoria Court, Los Altos, CA 94024
Inventor's signature	
Date	12/4/2000
Name of first inventor	Matt MATTSON
Residence	Santa Clara, CA
Citizenship	U.S.A.
Post Office Address	3665 Benton St., Apt. 84, Santa Clara, CA 95051
Inventor's signature	
Date	12/4/00
Name of first inventor	Gerald McMAHON
Residence	Kenwood, CA
Citizenship	U.S.A.
Post Office Address	P.O. Box 802, Kenwood CA 95452
Inventor's signature	
Date	11/13/00
Name of first inventor	Marcel KOENIG
Residence	Burlingame, CA
Citizenship	Switzerland
Post Office Address	821 El Camino Real, #206, Burlingame, CA 94010
Inventor's signature	
Date	11/17/00



UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231

SEPTEMBER 10, 2001

PTAS



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3000 K STREET, N.W., SUITE 500
WASHINGTON, D.C. 20007-5109

BAB
30002/199

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/02/2001

REEL/FRAME: 011941/0288
NUMBER OF PAGES: 7

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNOR NAME OF JOHN BLITZ, FILED ON 03-16-01, RECORDED ON REEL 011595 FRAME 0001
ASSIGNOR HEREBY CONFIRMS THE ASSIGNMENT OF THE ENTIRE INTEREST.

ASSIGNOR:

HUANG, PING

DOC DATE: 11/13/2000

ASSIGNOR:

WEI, CHUNG CHEN

DOC DATE: 11/27/2000

ASSIGNOR:

TANG, PENG CHO

DOC DATE: 11/13/2000

ASSIGNOR:

LIANG, CHRIS

DOC DATE: 11/17/2000

ASSIGNOR:

RAMPHAL, JOHN

DOC DATE: 11/13/2000

ASSIGNOR:

JALLAL, BAHIIJA

DOC DATE: 11/28/2000

ASSIGNOR:

BILTZ, JOHN

DOC DATE: 02/23/2001

011941/0288 PAGE 2

ASSIGNOR:
LI, SHARON

DOC DATE: 12/04/2000

ASSIGNOR:
MATTSON, MATT

DOC DATE: 12/04/2000

ASSIGNOR:
MCMAHON, GERALD

DOC DATE: 11/13/2000

ASSIGNOR:
KOENIG, MARCEL

DOC DATE: 11/17/2000

ASSIGNEE:
SUGEN, INC.
230 EAST GRAND AVENUE
SOUTH SAN FRANCISCO, CALIFORNIA

94080-4811

SERIAL NUMBER: 09645879
PATENT NUMBER:

FILING DATE: 08/25/2000
ISSUE DATE:

PEARLENE FOSTER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1595 (modified)

07-09-2001

U.S. DEPARTMENT OF COMMERCE

(Rev 6-93)

CORREC



COVER

Patent and Trademark Office

7.02.01

101769957

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):

Ping HUANG (November 13, 2000)
 Chung Chen WEI (November 27, 2000)
 Peng Cho TANG (November 13, 2000)
 Chris LIANG (November 17, 2000)
 John RAMPHAL (November 13, 2000)
 Bahija JALLAL (November 28, 2000)

Additional conveying party(ies) attached? YES

2. Name and address of receiving party(ies):

Sugen, Inc.
 230 East Grand Avenue
 South San Francisco, CA 94080-4811

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

November 13, 2000, November 17, 2000, November 27,
 2000, November 28, 2000, December 4, 2000 and
 February 23, 2001

Additional name(s) & address(es) attached?

NO

4. Application number(s) or patent number(s):

If this is being filed together with a new application, the execution date of the application is:

A. Patent Application Number(s):

09/645,879

B. Patent Number(s):

PATENT_NO

Additional numbers attached? NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Beth A. Burrous
 FOLEY & LARDNER
 Washington Harbour
 3000 K Street, N.W., Suite 500
 Washington, D.C. 20007-5109

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Check Enclosed

Charge to deposit account

8. Deposit account number: 19-0741

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

Beth A. Burrous

Name of person signing

Signature

June 22, 2001

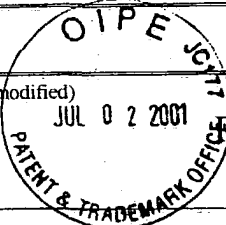
Date

Total number of pages including cover sheet, attachments, and document: **4**

FORM PTO-1595 (modified)

(Rev 6-93)

JUL 02 2001



U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):

John BILTZ (February 23, 2001)
Sharon LI (December 4, 2000)
Matt MATTSON (December 4, 2000)
Gerald McMAHON (November 13, 2000)
Marcel KOENIG (November 17, 2000)

Additional conveying party(ies) attached?

NO

ASSIGNMENT AND AGREEMENT

WHEREAS, Ping HUANG, Chung Chen WEI, Peng Cho TANG, Chris LIANG (Formal Name: Congxin Liang), John RAMPHAL, Bahija JALLAL, John BILTZ, Sharon LI (Formal Name: Xiaoyuan Li), Matt MATTSO, Gerald McMAHON, and Marcel KOENIG (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled PHOSPHATE MIMICS AND METHODS OF TREATMENT USING PHOSPHATEASE INHIBITORS (Atty. Dkt. No. 038602/0199) for which an application for United States Letters Patent was filed on August 25, 2000 as Application No. 09/645,879; and

WHEREAS, SUGEN, INC., having its principal place of business at 230 East Grand Avenue, South San Francisco, CA 94080-4811 (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

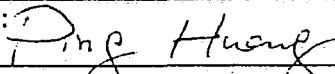
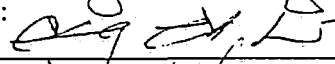
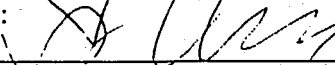
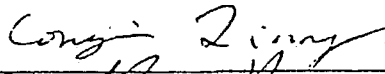



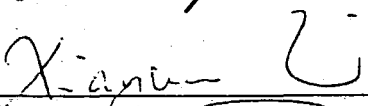
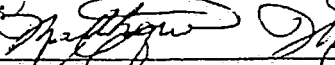

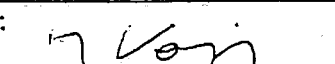

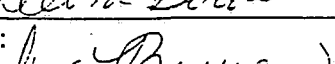
ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Foley & Lardner the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Foley & Lardner do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

NAME AND SIGNATURE OF INVENTORS		
Name: Ping HUANG	Signature: 	Date: 11/13/00
Name: Chung Chen WEI	Signature: 	Date: 11/27/00
Name: Peng Cho TANG	Signature: 	Date: 11/13/00
Name: Chris LIANG (Formal Name: Congxin Liang)	Signature: 	Date: 11/12/00
Name: John RAMPHAL	Signature: 	Date: 11/13/00
Name: Bahija JALLAL	Signature: 	Date: 11/28/00
Name: John BILTZ	Signature: 	Date: 2/23/01
Name: Sharon LI (Formal Name: Xiaoyuan Li)	Signature: 	Date: 12/4/00
Name: Matt MATTSON	Signature: 	Date: 12/4/00
Name: Gerald McMAHON	Signature: 	Date: 11/13/00
Name: Marcel KOENIG	Signature: 	Date: 11/17/00
NAME AND SIGNATURE OF WITNESSES		
Name: DEBRA BOWEN	Signature: 	Date: 11/13/00
Name: DEBRA BOWEN	Signature: 	Date: 11/27/00

Name: DEBRA BOWEN	Signature: <i>Debra Bowen</i>	Date: 11/13/00
Name: DEBRA BOWEN	Signature: <i>Debra Bowen</i>	Date: 11/17/00
Name: DEBRA BOWEN	Signature: <i>Debra Bowen</i>	Date: 11/13/00
Name: DEBRA BOWEN	Signature: <i>Debra Bowen</i>	Date: 11/28/00
Name: Erin Ailus	Signature: <i>Erin Ailus</i>	Date: 2-23-01
Name: DEBRA BOWEN	Signature: <i>Debra Bowen</i>	Date: 2/04/00
Name: DEBRA BOWEN	Signature: <i>Debra Bowen</i>	Date: 12/4/00
Name: DEBRA BOWEN	Signature: <i>Debra Bowen</i>	Date: 11/13/00
Name: DEBRA BOWEN	Signature: <i>Debra Bowen</i>	Date: 11/17/00